

Agenda Topics for 2018 Summer NM Workgroups

- What you need to know (Agencies) – Using the 2015-590 Standard and Checklist
- Features SnapPlus 18 – Easy buttons; New Nutrient Application Planner screen with complete spreadable acres calculations; SnapMaps crop and other field map labels; merging polygons; merging and copying databases; daily log; Batch reports ... (UW)
- Helpful Hints - handout (All)
- Additional discussion of nutrient management implementation issues Maximum Return to Nitrogen– Should we update the SnapPlus default? (All)

2019 Farmer Training Binders



To request copies, email **mbroeske@wisc.edu**
by **October 1, 2018**

Binders will ship mid-December. If you need to have your binders earlier, please let us know; we will try to accommodate.

A PDF of the complete farmer training manual will also be available at:
<https://snapplus.wisc.edu/news-help/snapplus-training-manual/>



Producer-Led Projects

2016: \$242,550

2017: \$197,065

2018: \$558,246



PRACTICES AND ACTIVITIES

Start-up costs

Outreach and education events

Incentive payments for practices or equipment rentals:

Cover crops, buffers, reduced tillage, low disturbance manure injection, nutrient management, soil testing, farm walkovers

Research

Cover crops, nitrogen use efficiency, inline water drainage system

Recruitment/branding

Tracking progress examples

- Phosphorus reductions through Spreadsheet Tool for Estimating Pollutant Loads (STEPL) and SnapPlus
 - Example: Horse Creek tracking cover crop implementation
 - **2016:** 875 acres
 - Estimated P load reduction of 650lbs
 - **2017:** 687 acres
 - Estimated P load reduction of 506lbs
 - Example: Tracking acres of conservation through SnapPlus NM software
 - Yahara Pride Farms Certification Program
 - Combines fields into one database to track overall changes in PI, soil loss and soil test P
 - Over 30,000 acres covered on 37 farms
 - From 2016 report: over 11,000lbs of estimated P reduction from cover crops, LDMI, strip till and headland stacking manure

Application materials

[DATCP Home](#) > [Producer-Led Watershed Protection Grants](#)

Producer-Led Watershed Protection Grants

Read our latest newsletter



The May news update features a recap of the Annual Producer-Led Workshop, a summary of the Buffalo-Trempeleau Farmer Network winter event and the 2018 producer-led grant awardees with project descriptions.

[Read it now.](#)

Producer-Led Watershed Protection Grants are awarded by the Wisconsin Department of Agriculture, Trade and Consumer Protection. The grants will go to projects that focus on ways to prevent and reduce runoff from farm fields and that work to increase farm participation in these voluntary efforts. Each application must come from a group of at least 5 farmers in the same watershed, collaborating with conservation agencies, institutions or nonprofit organizations. The maximum grant award per group will be \$40,000.

Fourteen producer-led groups received funding in 2016 for a total of \$242,550, eleven producer-led groups were awarded \$197,065 for 2017 funding and nineteen groups were awarded 2018 funding for a total of \$558,246.

Read summaries for all the projects [here.](#)

DATCP's Nutrient Management Farmer Education (NMFE) Grants can be used in combination with producer-led funds. For more information, [visit the NMFE webpage.](#)

[Find Your Watershed](#)

[Find A Collaborator](#)

[Project Examples](#)

[Create a MOU](#)

[DATCP Resources](#)

[E-News Updates](#)

Upcoming 2018 Events

Additional Resources

Application Materials

[Instructions](#)

[Application](#)

Impact Reports

[2016-17](#)

Grant awardees

[Annual Impact Report Form](#)

[Extension Request Instructions](#)

[Reimbursement Form](#)

Factsheets

[Program Basics](#)

[Resources for Producer-Led Groups](#)

Applications **due Monday, September 17** to Rachel.Rushmann@wi.gov

Nutrient Management Farmer Education Grants

Tier 1 grants: up to \$20,000.

- Provides nutrient management and SnapPlus training to develop 590 compliant plans.
 - Training includes: workshops, farm mapping, soil testing and manure spreader calibration.
 - Can be used for:
 - Participant payments
 - Administrative, training and support costs

Tier 2 grants: up to \$2,500

- Offer nutrient management training and education but developing a 590 compliant plan isn't required.
 - Can be used for administrative, training and support costs

Applications **available by January 31st** of every year, **due on April 15th** of that same year.

SnapPlus2 ver.18

Follows USDA NRCS WI 2015-590 Standard and UWEX Pub.

A2809 *Nutrient application guidelines for field, vegetable, and fruit crops in Wisconsin to protect farm profitability, water, and soil with nutrient application requirements*

The screenshot displays the SnapPlus2 ver.18 software interface. A modal dialog box titled "Nutrient Application Rate Documentation" is open, prompting the user to "Document the methods used to calibrate your equipment spreading rates." The dialog includes a section for "Calibration methods - Select all that apply" with three checked options: "Custom applications", "Equipment calibration", and "Amount applied / Acres". The dialog has "Accept" and "Cancel" buttons at the bottom.

In the background, the main application window is visible. It includes a header section with fields for "City" (Winneconee), "State" (WI), and "Zip" (54986). Below this is a section for "Manure Nutrient Credits" with three radio button options: "Do not use 2nd or 3rd year manure credits" (selected), "Use 2nd year manure credits", and "Use 2nd and 3rd year manure credits". There is also a checkbox for "WPDES" and a button for "Document spreader calibration".

The main window also features a "Select any crops you might grow for" section with a list of "Unselected Crops" and a "Selected Crops" list. The "Unselected Crops" list includes items like "Alfalfa (1st cut) to Corn grain", "Alfalfa (1st cut) to Corn silage to small grain cover", "Alfalfa (1st cut) to Snapbean", "Alfalfa (1st cut) to Sorghum-soybean forage (milage)", "Alfalfa (1st cut) to Sorghum-sudangrass", "Alfalfa (1st cut) to Soybean", "Alfalfa Seeding Fall", "Alfalfa Seeding Spring", "Alfalfa to annual cover crop", "Alfalfa to small grain cover crop", "Alfalfa, fall killed", "Alfalfa/Brome", "Alfalfa/Brome Seeding Fall", and "Alfalfa/Brome Seeding Spring". The "Selected Crops" list includes "Corn silage", "None", "Oat-Pea Forage w/ Alfalfa Seeding Spring", "Pasture, variable stocking, managed continuous, grass/", "Soybeans 30-36 inch row", and "Winter wheat (grain+straw)".

At the bottom of the main window, there is a section for "Select counties for the field locations for this operation" with a list of "Counties" and a "Selected Counties" list. The "Selected Counties" list includes "Winnebago".

You might see higher soil loss with Ver. 17 on fields with small grains – Why?



- Soil survey updates

Corrections to SnapPlus's RUSLE2 management templates for small grains

- RUSLE2 soil loss calculations did not include straw removal for barley, oats, rye, triticale, wheat – (grain+straw). The consequence is that soil loss may be higher if grain and straw is harvested. If the field exceeds T, then change past crop to grain only. This will adjust the soil loss. In future years using the grain+straw will have the corrected erosion rates.

Soil Tests and Field Names

Soil test – nutrient credits =
fertilizer to apply

DATCP Certified Soil Testing
Laboratories

1. A&L Great Lakes, Fort Wayne IN
2. AgSource, Bonduel WI
3. Dairyland, Arcadia WI
4. MVTL, New Ulm MN
5. Midwest Laboratories, Omaha, NE
6. Rock River, Watertown WI
7. UW-Madison Soil & Forage Analysis, Marshfield WI

All these labs are Manure
Analysis Proficiency program
participates

- **Naming Fields** be sure to use letters, numbers, underscore, and spaces.
- **Do Not Use** special characters. This can causes the program to crash

Farm | Soil Tests | SnapMaps | Fields | Nutrients | Cropping | Records | Reports

Soil test history for field: Home 12

County: Winnebago Acres: 21.9 Slope: 1.5 % Field Soils: Critical: Predominant: Soil Name: Zetau Soil Symbol: ZIA

Import Soil Test

Test Date: 2015-10-30, 2009-11-04

Import Soil Test: Woodland Farms

The SnapPlus import function assumes that the import file has data from only one farm, and that farm is the current farm in SnapPlus. Multiple fields per import file is OK.

C:\SnapPlus2\Alpha\Import\SampleFarmSoilTestImport.xlsx Select File To Import

Right-click on column headers for single or multi-cell editing of selected cells.

Show Errors Excel found

Individual soil test sample	Lab Name	Lab Number	Sample Date	Farm Name	Field Name	Size (acres)	Plow Depth (inches)	Sample Name	pH	OM	P	K	BpH	Ca	Mg	B	Mn	Zn	S	CEC
1	UW S...	6320	30-May-2...	Woodl...	08	2.00	6	1	6.4	3.9	45	125	6.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	UW S...	6320	30-May-2...	Woodl...	09	5.00	6	2	6.8	3.8	65	110	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	UW S...	6320	30-May-2...	Woodl...	10	8.30	6	3	6.8	3.5	69	110	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	UW S...	6320	30-May-2...	Woodl...	10	8.30	6	4	6.8	3.7	67	88	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	UW S...	6320	30-May-2...	Woodl...	11	8.70	6	5	6.9	4.2	145	291	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	UW S...	6320	30-May-2...	Woodl...	11	8.70	6	6	6.6	3.0	96	150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	UW S...	6320	30-May-2...	Woodl...	12	25.50	6	7	6.7	3.8	80	119	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	UW S...	6320	30-May-2...	Woodl...	12	25.50	6	8	6.9	3.4	88	130	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	UW S...	6320	30-May-2...	Woodl...	12	25.50	6	9	7.0	3.2	90	150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	UW S...	6320	30-May-2...	Woodl...	12	25.50	6	10	7.2	3.3	60	120	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	UW S...	6320	30-May-2...	Woodl...	12	25.50	6	11	6.9	4.1	96	145	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	UW S...	6320	30-May-2...	Woodl...	13	15.50	6	12	6.5	2.0	15	90	7.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	UW S...	6320	30-May-2...	Woodl...	13	15.50	6	13	6.7	2.2	10	85	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	UW S...	6320	30-May-2...	Woodl...	13	15.50	6	14	6.4	2.4	16	75	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0

☐ Overwrite existing data Import To SnapPlus 0 records imported Save to Excel Clo



Subfarm: Show all fields. ▾

*

Field: Home 12

Group: Show all fields. ▾



Farm

Soil Tests

SnapMaps

Fields

Nutrients

Cropping

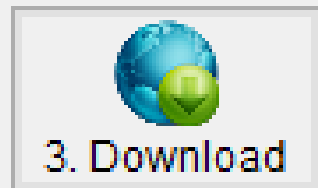
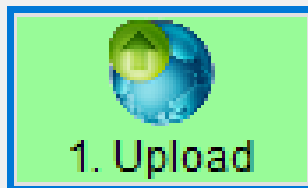
Records

Report

2018 ▾

<< Upload year

Data exchange options



13 total records

SnapMap Fields

SnapMap Restrictions

SnapMap Acres

SnapMap Soils

ALL	Exists	Watershed	303d or O/ERW	Subfarm	Field Name	Field County
	Yes	Arrowhe...			Heifer Pa...	Winnebago
	Yes	Arrowhe...			Home 1	Winnebago
	Yes	Arrowhe...			Home 11	Winnebago



Subfarm: Show all fields. *
Group: Show all fields.

Field: Home 12

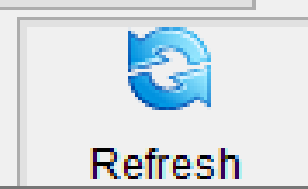


Farm Soil Tests SnapMaps Fields Nutrients Cropping Records Rep

2018

<< Upload year

Data exchange options



13 total

Open the SnapMap website in your browser.

SnapMap Fields SnapMap Restrictions SnapMap Acres SnapMap Soil

ALL	Exists	Watershed	303d or O/ERW	Subfarm	Field Name	Field Count
▶	Yes	Arrowhe...			Heifer Pa...	Winn
	Yes	Arrowhe...			Home 1	Winn
	Yes	Arrowhe...			Home 11	Winn

Draw a Feature →

Edit features ▶

Delete features ▶

Field Snapping ☐

Import a shapefile ▶

Export to shapefile ▶

Field

Field with Common land unit

Exclusion area

Concentrated flow channel

Point

Tile line

Soil Sample

Headland stack

Manure prohibited area

Manure prohibited area by buffering field boundary

Manure prohibited area by buffering water features in a field

Manure prohibited area by buffering wetland features in a field

Manure prohibited area by buffering a custom features



Select a Field Name



Select an Existing Name in SnapPlus: ☒ Type in a Name: ☐

New Field Name:

--Select a Field Name-- ▾

--Select a Field Name--

Home 3

Save the Field

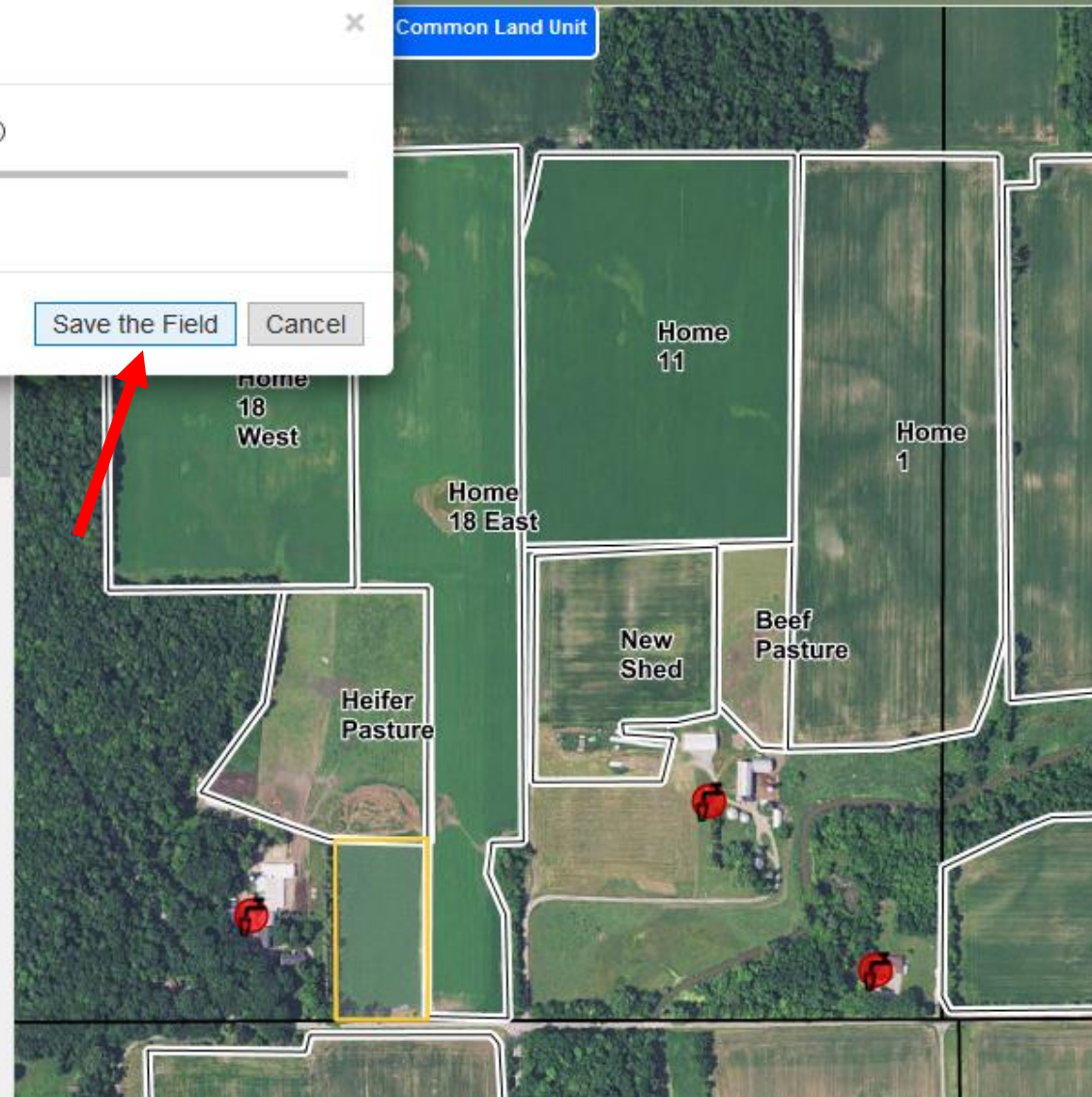
Cancel

- ☐ Hillshade
- ☒ Counties
- ☒ Township/Range
- ☐ Roads
- ☐ Soils

Restriction Layers Turn on/off all ☐

- ☐ Local Prohibitions
- ☒ 590 SWQMA 300FT
- ☒ SWQMA 1000FT

Common Land Unit



Draw a Feature ▸

Edit features ▸

Delete features ▸

Field Snapping ☐

Import a shapefile ▸

Export to shapefile ▸

Field

Field with Common land unit

Exclusion area

Concentrated flow channel

Point

Tile line

Soil Sample

Headland stack

Manure prohibited area

Manure prohibited area by buffering field boundary

Manure prohibited area by buffering water features in a field

Manure prohibited area by buffering wetland features in a field

Manure prohibited area by buffering a custom features

Create Point Features

Create a feature label for each point: (optional) ☐

Point Type:

Stop creating point features

Cancel

5ft contours

☐ Hillshade

☐ Counties

☒ Township/Range

☐ Roads

☐ Soils

Restriction Layers Turn on/off all ☐

☐ Local Prohibitions

☐ 590 SWQMA 300FT

☐ SWQMA 1000FT

☒ SWQMA 1000FT Dismissed

☐ FALL N Restrictions

☐ Bedrock depth <5ft

☐ Areas contributing runoff to direct conduits to groundwater

☒

☐

☐

☐

☐

☐

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☐

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☐

Draw a point feature

Search T-R-S

About

Help

Home
18
West

Home
11

Home
2

Home
18
East

Home
1

New
Shed

Beef
Pasture

Heifer
Pasture

Home
12

Home
3

Home
4

-88.69, 44.16

12:19 PM
8/20/2018

Draw a Feature ▸

Edit features →

Delete features ▸

Field Snapping ☐

Import a shapefile ▸

Export to shapefile ▸

Active Tool: Navigation

Fields

Fields with common boundary

Points

Exclusion areas

Concentrated flow channels

Soil sample

Manure prohibited area

Split manure prohibited area

Split fields

Dismiss a 1000ft SWQMA

Restore dismissed 1000ft SWQMA

Headland stack

Draw a Feature ▸
Edit features ▸
Delete features ▸
Field Snapping ☐

Import a shapefile ▸

→ Export to shapefile

Active Tool: Navigation



Fields

Points

Exclusions

Tile lines

Concentrated flow channels

Soil samples

Manure prohibited areas

Headland stacks

→ All features

Winter spreadable field areas

Layers Woodland Farms View Metadata

Map Legend Field Properties Field List



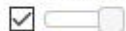
Township/Range



Roads



Soils

Restriction Layers Turn on/off all ☒

Local Prohibitions



590 SWQMA 300FT



SWQMA 1000FT



SWQMA 1000FT Dismissed



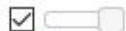
FALL N Restrictions



Bedrock depth <5ft



Areas contributing runoff to direct conduits to groundwater



Nutrient prohibited areas (buffers vary by feature)

Active Tool: Field with Common Land Unit

20N 15E
s34Home
18
WestHome
11Home
1Home
18
EastNew
ShedBeef
PastureHeifer
PastureHome
3

Anderson Ln

Woodland Ln



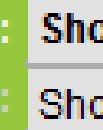
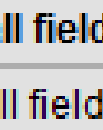




Coveland Ln







File Import/Export Tools View Help

Subfarm: Show all fields. * Field: Home 13

Group: Show all fields.

2018 << Upload year Data exchange options

 1. Upload
  2. Website
  3. Download
 Refresh
 13 total records

SnapMap Fields | SnapMap Restrictions | SnapMap Acres | SnapMap Soils

ALL	Exists	Watershed	303d or O/ERW	Subfarm	Field Name	Field County
	Yes	Arrowhe...			Heifer Pa...	Winnebago
	Yes	Arrowhe...			Home 1	Winnebago

File
Import/Export
Tools
View
Help

Subfarm: Show all fields. *
Group: Show all fields.
Field: Home 13

Farm name: WoodlandExportFields_2018-08-16 15.34.snapDb
Location: C:\SnapPlus2Alpha\Export

Farm
Soil Tests
SnapMaps
Fields
Nutrients
Cropping
Records
Reports

2018
<< Upload year
Data exchange options

1. Upload

2. Website

3. Download

Refresh

13 total records.

Display rows
☒ All
☐ Differences Only

[What is locked?](#)
Geometry exists for all 13 fields.

SnapMap Fields

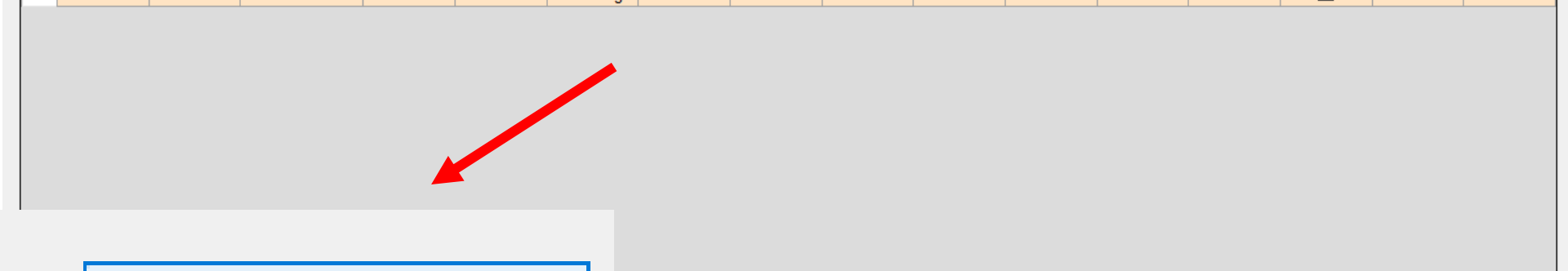
SnapMap Restrictions

SnapMap Acres

SnapMap Soils

SnapMap Features

ALL	Ex i s t s	Watershed	303d or O/ERW	Subfarm	Field Name	Field County	Field Acres	Soil Map Symbol (critical)	Soil Map Symbol predominant	Slope	Slope Length	Below Field Slope To Water	Distance To Perennial Water	Is Locked	Notes	Field Borders
	Yes	Arrowhe...			Heifer Pa...	Winnebago	9.5	ZtA	ZtA	1.5	250	0 - 2	1001 - 50...	<input type="checkbox"/>		MULTIP...
	Yes	Arrowhe...			Home 1	Winnebago	26.2	ZtA	ZtA	1.5	250	0 - 2	0 - 300	<input type="checkbox"/>		MULTIP...
	Yes	Arrowhe...			Home 11	Winnebago	23.1	ZtA	TuB	1.5	250	0 - 2	1001 - 5...	<input type="checkbox"/>		MULTIP...
	Yes	Arrowhe...			Home 12	Winnebago	21.5	ZtA	ZtA	1.5	250	0 - 2	0 - 300	<input type="checkbox"/>		MULTIP...
	Yes	Lake Po...			Home 13	Winnebago	17	ZtA	NeA	1.5	250	0 - 2	301 - 10...	<input type="checkbox"/>		MULTIP...
	Yes	Arrowhe...			Home 14	Winnebago	12.8	ZtA	ZtA	1.5	250	0 - 2	301 - 1000	<input type="checkbox"/>		MULTIP...
	Yes	Arrowhe...			Home 18...	Winnebago	24.1	ZtA	Pt	1.5	250	0 - 2	301 - 1000	<input type="checkbox"/>		MULTIP...
	Yes	Arrowhe...			Home 2	Winnebago	23.6	ZtA	ZtA	1.5	250	0 - 2	0 - 300	<input type="checkbox"/>		MULTIP...
	Yes	Arrowhe...			Home 4	Winnebago	22.1	Pt	TuB	1	250	0 - 2	301 - 1000	<input type="checkbox"/>		MULTIP...
	Yes	Arrowhe...			New Shed	Winnebago	8.4	ZtA	ZtA	1.5	250	0 - 2	301 - 1000	<input type="checkbox"/>		MULTIP...
	Yes	Arrowhe...			Beef Pas...	Winnebago	3	ZtA	ZtA	1.5	250	0 - 2	0 - 300	<input type="checkbox"/>		MULTIP...
	Yes	Arrowhe...			Home 18...	Winnebago	18.7	ZtA	Pt	1.5	250	0 - 2	301 - 1000	<input type="checkbox"/>		MULTIP...
	Yes	Arrowhe...			Home 3	Winnebago	3.6	ZtA	ZtA	1.5	250	0 - 2	301 - 1000	<input type="checkbox"/>		MULTIP...



Import To SnapPlus

in the selected cells. To toggle the selected state 'Ctrl-Click' on a cell, row or column.

Save to Excel

Delete non-existing fields
☐ All
☐ Selected Only

Subfarm: Show all fields. *
Group: Show all fields.

Field: Home 13

Farm name: WoodlandExportFields_2018-08-16 15.34.snapDb

Location: C:\SnapPlus2\Alpha\Export

Farm Soil Tests SnapMaps Fields Nutrients Cropping Records Reports

2018

<< Upload year

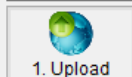
Data exchange options

Display rows

☒ All ☐ Differences Only

Geometry exists for all 13 fields.

[What is locked?](#)



13 total records.

SnapMap Fields SnapMap Restrictions SnapMap Acres SnapMap Soils SnapMap Features

ALL	Exist	Watershed	303d or O/ERW	Subfarm	Field Name	Field County	Field Acres	Soil Map Symbol (critical)	Soil Map Symbol predominant	Slope	Slope Length	Below Field Slope To Water	Distance To Perennial Water	Is Locked	Notes	Field Borders
	Yes	Arrowhe...			Heifer Pa...	Winnebago	9.5	ZtA	ZtA	1.5	250	0 - 2	1001 - 50...	<input type="checkbox"/>		MULTIP...
	Yes	Arrowhe...			Home 1	Winnebago	26.2	ZtA	ZtA	1.5	250	0 - 2	0 - 300	<input type="checkbox"/>		MULTIP...
	Yes	Arrowhe...			Home 11	Winnebago	23.1	ZtA	TuB	1.5	250	0 - 2	1001 - 50...	<input type="checkbox"/>		MULTIP...
	Yes	Arrowhe...			Home 12	Winnebago	21.5	ZtA	ZtA	1.5	250	0 - 2	0 - 300	<input type="checkbox"/>		MULTIP...
	Yes	Lake Po...			Home 13	Winnebago	17	ZtA	NeA	1.5	250	0 - 2	301 - 1000	<input type="checkbox"/>		MULTIP...
	Yes	Arrowhe...			Home 14	Winnebago	12.8	ZtA	ZtA	1.5	250	0 - 2	301 - 1000	<input type="checkbox"/>		MULTIP...
	Yes	Arrowhe...			Home 18...	Winnebago	24.1	ZtA	Pt	1.5	250	0 - 2	301 - 1000	<input type="checkbox"/>		MULTIP...
	Yes	Arrowhe...			Home 2	Winnebago	23.6	ZtA	ZtA	1.5	250	0 - 2	0 - 300	<input type="checkbox"/>		MULTIP...
	Yes	Arrowhe...			Home 4	Winnebago	22.1	Pt	TuB	1	250	0 - 2	301 - 1000	<input type="checkbox"/>		MULTIP...
	Yes	Arrowhe...			New Shed	Winnebago	8.4	ZtA	ZtA	1.5	250	0 - 2	301 - 1000	<input type="checkbox"/>		MULTIP...
	Yes	Arrowhe...			Beef Pas...	Winnebago	3	ZtA	ZtA	1.5	250	0 - 2	0 - 300	<input type="checkbox"/>		MULTIP...
	Yes	Arrowhe...			Home 18...	Winnebago	18.7	ZtA	Pt	1.5	250	0 - 2	301 - 1000	<input type="checkbox"/>		MULTIP...
	Yes	Arrowhe...			Home 3	Winnebago	3.6	ZtA	ZtA	1.5	250	0 - 2	301 - 1000	<input type="checkbox"/>		MULTIP...

'Import to SnapPlus' will only import data from the selected cells. To toggle the selected state 'Ctrl-Click' on a cell, row or column.

Import To SnapPlus

18 field data cells imported.

Save to Excel

Delete non-existing fields

☐ All ☐ Selected Only

2018

<< Upload year

Data exchange options



1. Upload



2. Website



3. Download



Refresh

19 total records.

SnapMap Fields

SnapMap Restrictions

SnapMap Acres

SnapMap Soils

SnapMap Features

ALL	Subfarm Name	Field Name ▲	Restriction	Distance to edge of field ft.
		Beef Pasture	Well 300 ft (Drinking Well 230 ft)	230
		Beef Pasture	SWQMA 300 ft	N/A
		Home 1	SWQMA 300 ft	N/A
		Home 1	Well 300 ft (Drinking Well 292 ft)	292
		Home 2	SWQMA 300 ft	N/A
		Home 3	Well 300 ft (Drinking Well 257 ft)	257
		Home 4	SWQMA 1000ft	N/A
		Home 4	Well 300 ft (Drinking Well 78 ft)	78
		Home 12	SWQMA 300 ft	N/A
		Home 12	Well 300 ft (Drinking Well 206 ft)	206
		Home 13	SWQMA 1000ft	N/A
		Home 13	Well 300 ft (Drinking Well 133 ft)	133
		Home 14	SWQMA 1000ft	N/A
		Home 14	Well 300 ft (Drinking Well 219 ft)	219
		Home 18 East	SWQMA 1000ft	N/A
		Home 18 East	Well 300 ft (Drinking Well 263 ft)	263
		Home 18 West	SWQMA 1000ft	N/A
		Home 18 West	Well 300 ft (Drinking Well 166 ft)	166
		New Shed	Well 300 ft (Drinking Well 157 ft)	157

Import To SnapPlus

ta from the selected cells. To toggle the selected state 'Ctrl-Click' on a cell, row

Save to Excel

2018

<< Upload year

Data exchange options



1. Upload



2. Website



3. Download



Refresh

14 total records.

SnapMap Fields

SnapMap Restrictions

SnapMap Acres

SnapMap Soils

SnapMap Features

	Field Name	Actual Field Boundary Acres ▲	Farmed/Cropping (map)	Winter spreadable acres
	Beef Pasture	3	3	2.7
	Home 3	3.6	3.6	3.4
	New Shed	8.4	8.4	7.8
▶	Heifer Pasture	9.5	9.5	9.5
	Home 14	12.8	12.8	10.5
	Home 13	17	17	6
	Home 18 West	18.7	18.7	12.5
	Home 12	21.5	21.5	17.2
	Home 4	22.1	22.1	0.3
	Home 11	23.1	23.1	23.1
	Home 2	23.6	23.6	20.4
	Home 18 East	24.1	24.1	23.7
	Home 1	26.2	26.2	24.4
	Σ Totals	213.6	213.6	161.5



Import To SnapPlus

from the selected cells. To toggle the selected state 'Ctrl-Click' on a cell, row or col

Save to Excel

Farm

Soil Tests

SnapMaps

Fields

Nutrients

Cropping

Records

Reports

2018

<< Upload year

Data exchange options

1. Upload

2. Website

3. Download

Refresh

42 total records.

Display rows

☒ All
☐

Geometry axis

SnapMap Fields

SnapMap Restrictions

SnapMap Acres

SnapMap Soils

SnapMap Features

	Subfarm Name	County	Field Name	Map Symbol	Slope	Slope Length	% of field	Soil Group	Yield Potential	K	T	ES	Fall N Restriction
		Winnebago	Beef Pasture	TuB	4	200	33.3	S	S	0.10	4	0.0132	
		Winnebago	Beef Pasture	ZtA	1.5	250	70.0	L	H	0.37	3	0.0265	
▶		Winnebago	Heifer Past...	BoB	2.5	200	14.7	L	M	0.24	3	0.0238	
		Winnebago	Heifer Past...	Pt	1	250	18.9	L	M	0.28	3	0.0158	W
		Winnebago	Heifer Past...	TuB	4	200	1.1	S	S	0.10	4	0.0132	
		Winnebago	Heifer Past...	ZtA	1.5	250	65.3	L	H	0.37	3	0.0265	
		Winnebago	Home 1	TuB	4	200	3.1	S	S	0.10	4	0.0132	
		Winnebago	Home 1	ZtA	1.5	250	96.9	L	H	0.37	3	0.0265	
		Winnebago	Home 11	BoB	2.5	200	7.4	L	M	0.24	3	0.0238	
		Winnebago	Home 11	NeA	1.5	250	10.0	S	S	0.10	5	0.0043	
		Winnebago	Home 11	TuB	4	200	40.7	S	S	0.10	4	0.0132	
		Winnebago	Home 11	ZtA	1.5	250	41.6	L	H	0.37	3	0.0265	
		Winnebago	Home 12	BoB	2.5	200	29.3	L	M	0.24	3	0.0238	
		Winnebago	Home 12	Pt	1	250	19.1	L	M	0.28	3	0.0158	W
		Winnebago	Home 12	ZtA	1.5	250	51.6	L	H	0.37	3	0.0265	
		Winnebago	Home 13	BrB	2.5	200	3.5	S	S	0.10	5	0.006	
		Winnebago	Home 13	NeA	1.5	250	73.5	S	S	0.10	5	0.0043	
		Winnebago	Home 13	Pt	1	250	12.4	L	M	0.28	3	0.0158	W
		Winnebago	Home 13	ZtA	1.5	250	10.6	L	H	0.37	3	0.0265	
		Winnebago	Home 14	BoB	2.5	200	17.2	L	M	0.24	3	0.0238	
		Winnebago	Home 14	Pt	1	250	2.3	L	M	0.28	3	0.0158	W
		Winnebago	Home 14	WnB	2.5	200	34.4	L	H	0.32	5	0.0191	
		Winnebago	Home 14	ZtA	1.5	250	45.3	L	H	0.37	3	0.0265	
		Winnebago	Home 18 E...	BoB	2.5	200	22.4	L	M	0.24	3	0.0238	
		Winnebago	Home 18 E...	Pt	1	250	25.7	L	M	0.28	3	0.0158	W

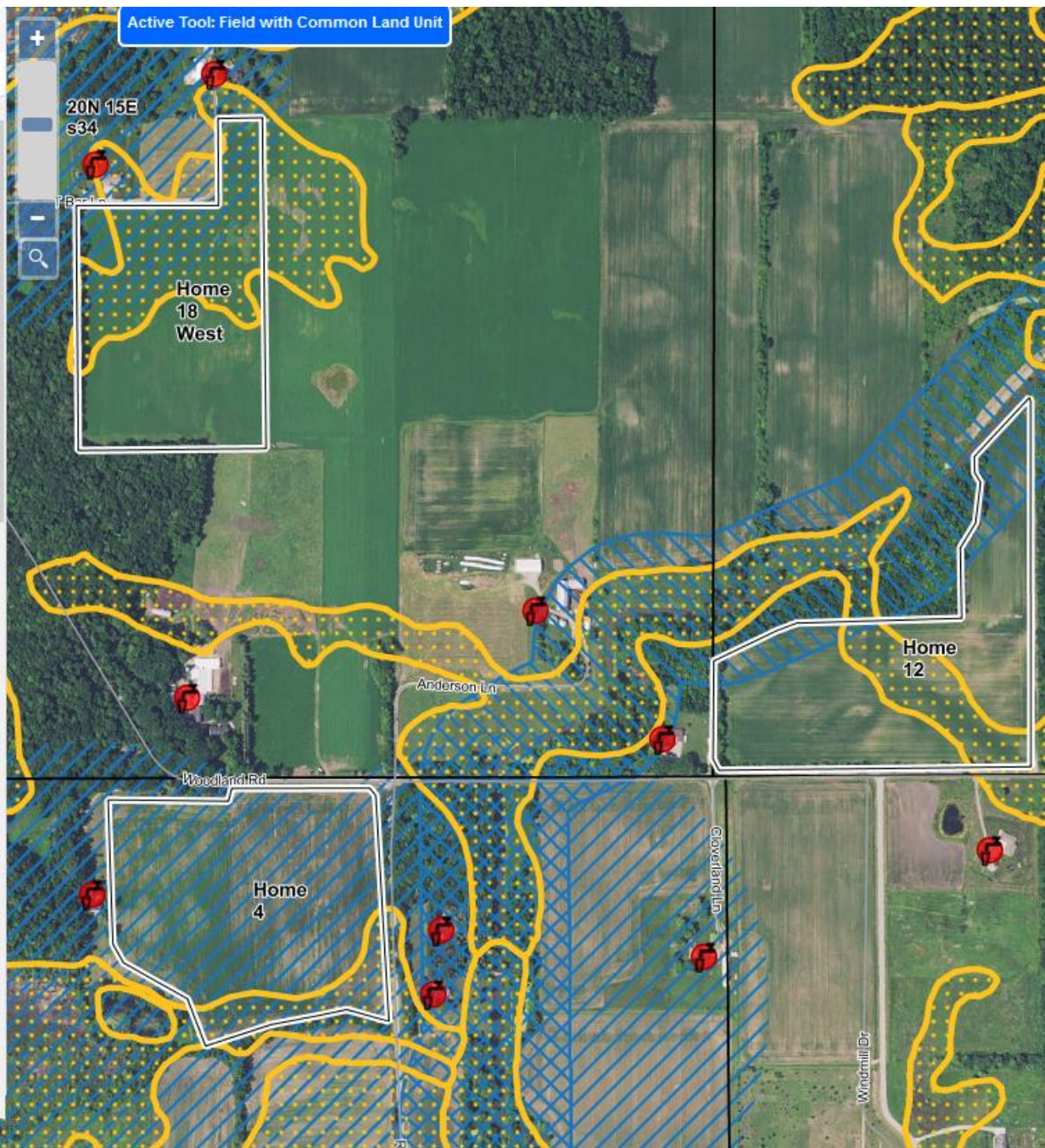
Layers
Woodland Farms
View Metadata

Map Legend
Field Properties
Field List

CSV
Excel
PDF
Print

Search: corn

Field Name	Acres	Crop	Tillage	Applications
Home 12	21.50	corn grain	fall chisel, no disk	dairy semi- solid 21.50 acres applied 15.00 tons/acre spring 2018, 32% uan (liquid 32-0-0) 21.50 acres applied 10.00 gals/acre spring 2018, ammonium sulfate (ams) 21.50 acres applied 50.00 lbs/acre spring 2018, ammonium thiosulfate (ats) 21.50 acres applied 5.00 gals/acre spring 2018, mesz 21.50 acres applied 50.00 lbs/acre spring 2018, potassium chloride 21.50 acres applied 100.00 lbs/acre spring 2018, urea 21.50 acres applied 150.00 lbs/acre spring 2018
Home 13	17.00	corn grain	fall cultivation	dairy semi- solid 17.00 acres applied 15.00 tons/acre spring 2018, 32% uan (liquid 32-0-0) 17.00 acres applied 10.00 gals/acre spring 2018, ammonium sulfate (ams) 17.00 acres applied 50.00 lbs/acre spring 2018, mesz 17.00 acres applied 50.00 lbs/acre spring 2018, potassium chloride 17.00 acres applied 100.00 lbs/acre spring 2018, urea 17.00



Field Name	Acres	Crop	Tillage	Applications
Home 12	21.50	corn grain	fall chisel, no disk	dairy semi- solid 21.50 acres applied 15.00 tons/acre spring 2018, 32% uan (liquid 32-0-0) 21.50 acres applied 10.00 gals/acre spring 2018, ammonium sulfate (ams) 21.50 acres applied 50.00 lbs/acre spring 2018, ammonium thiosulfate (ats) 21.50 acres applied 5.00 gals/acre spring 2018, mesz 21.50 acres applied 50.00 lbs/acre spring 2018, potassium chloride 21.50 acres applied 100.00 lbs/acre spring 2018, urea 21.50 acres applied 150.00 lbs/acre spring 2018
Home 13	17.00	corn grain	fall cultivation	dairy semi- solid 17.00 acres applied 15.00 tons/acre spring 2018, 32% uan (liquid 32-0-0) 17.00 acres applied 10.00 gals/acre spring 2018, ammonium sulfate (ams) 17.00 acres applied 50.00 lbs/acre spring 2018, mesz 17.00 acres applied 50.00 lbs/acre spring 2018, potassium chloride 17.00 acres applied 100.00 lbs/acre spring 2018, urea 17.00 acres applied 150.00 lbs/acre spring 2018
Home 14	12.80	corn grain	fall chisel, no disk	32% uan (liquid 32-0-0) 12.80 acres applied 20.00 gals/acre spring 2018, ammonium sulfate (ams) 12.80 acres applied 50.00 lbs/acre spring 2018, ammonium thiosulfate (ats) 12.80 acres applied 5.00 gals/acre spring 2018, mesz 12.80 acres applied 50.00 lbs/acre spring 2018, potassium chloride 12.80 acres applied 100.00 lbs/acre spring 2018, urea 12.80 acres applied 150.00 lbs/acre spring 2018
Home 18 West	18.70	corn grain	fall chisel, no disk	dairy semi- solid 18.70 acres applied 18.00 tons/acre winter 2018, 32% uan (liquid 32-0-0) 18.70 acres applied 10.00 gals/acre summer 2018, ammonium sulfate (ams) 18.70 acres applied 50.00 lbs/acre spring 2018, mesz 18.70 acres applied 50.00 lbs/acre spring 2018, potassium chloride 18.70 acres applied 100.00 lbs/acre spring 2018, urea 18.70 acres applied 150.00 lbs/acre spring 2018

CSV

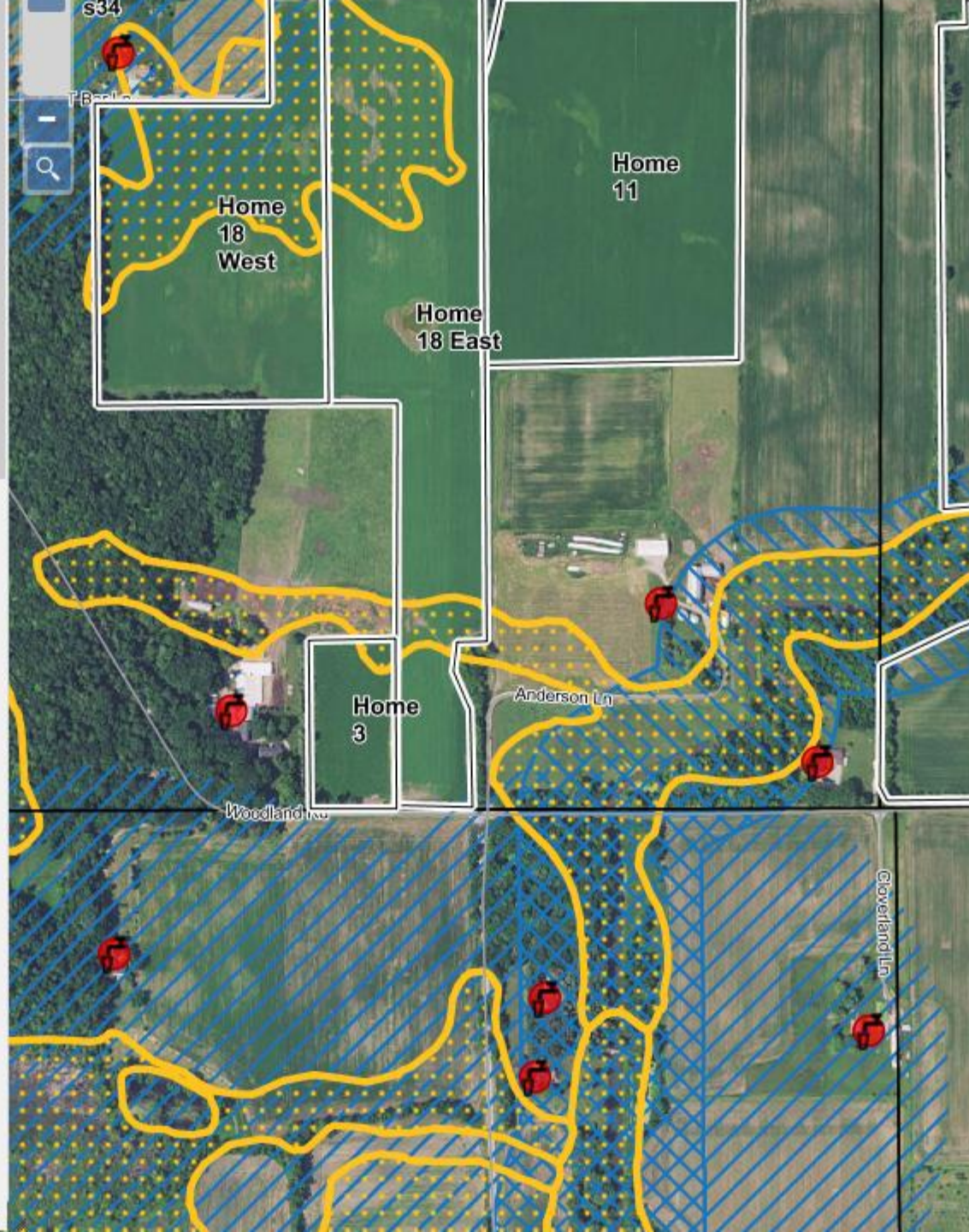
Excel

PDF

Print

Search: dairy |

Field Name	Acres	Crop	Tillage	Applications
Home 11	23.10	soybeans 30-36 inch row	fall chisel, no disk	dairy semi- solid 23.10 acres applied 15.00 tons/acre fall 2018, mesz 23.10 acres applied 45.00 lbs/acre spring 2018, potassium chloride 23.10 acres applied 105.00 lbs/acre spring 2018
Home 12	21.50	corn grain	fall chisel, no disk	dairy semi- solid 21.50 acres applied 15.00 tons/acre spring 2018, 32% uan (liquid 32-0-0) 21.50 acres applied 10.00 gals/acre spring 2018, ammonium sulfate (ams) 21.50 acres applied 50.00 lbs/acre spring 2018, ammonium thiosulfate (ats) 21.50 acres applied 5.00 gals/acre spring 2018, mesz 21.50 acres applied 50.00 lbs/acre spring 2018, potassium chloride 21.50 acres applied 100.00 lbs/acre spring 2018, urea 21.50 acres applied 150.00 lbs/acre spring 2018
Home 13	17.00	corn grain	fall cultivation	dairy semi- solid 17.00 acres applied 15.00 tons/acre spring 2018, 32% uan (liquid 32-0-0) 17.00 acres applied 10.00 gals/acre spring



Layers
Woodland Farms
View Metadata

Map Legend
Field Properties
Field List

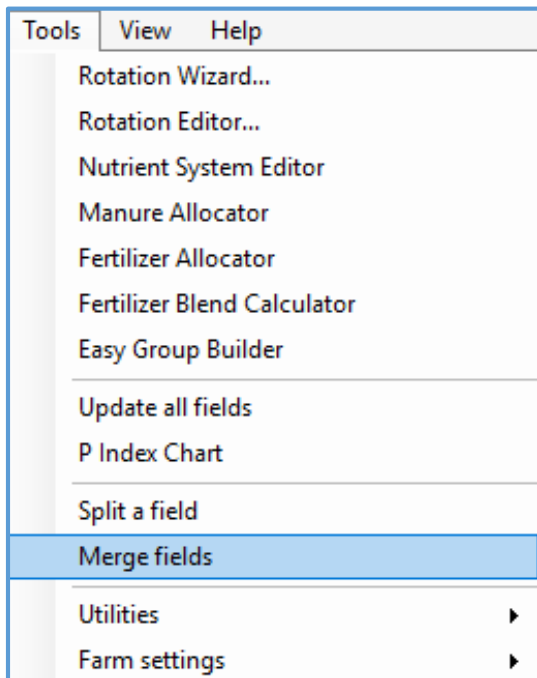
CSV
Excel
PDF
Print

Search:
tons/acre winter

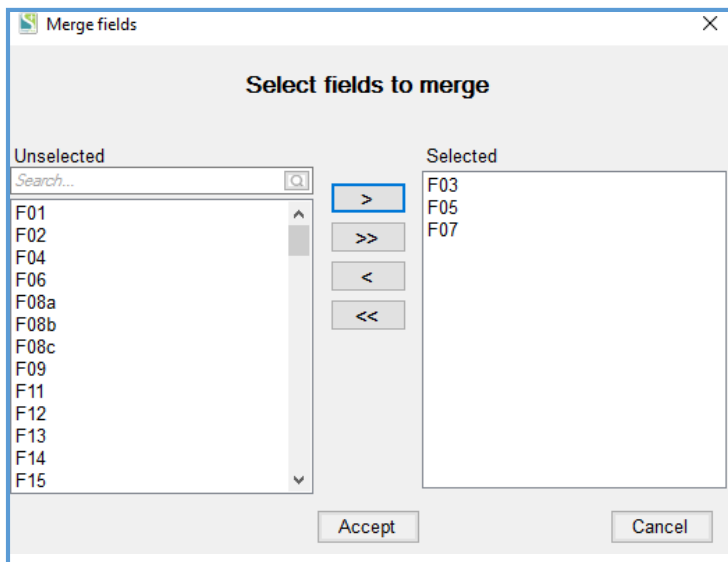
Field Name	Acres	Crop	Tillage	Applications
Home 18 West	18.70	corn grain	fall chisel, no disk	dairy semi- solid 18.70 acres applied 18.00 tons/acre winter 2018, 32% uan (liquid 32-0-0) 18.70 acres applied 10.00 gals/acre summer 2018, ammonium sulfate (ams) 18.70 acres applied 50.00 lbs/acre spring 2018, mesz 18.70 acres applied 50.00 lbs/acre spring 2018, potassium chloride 18.70 acres applied 100.00 lbs/acre spring 2018, urea 18.70 acres applied 150.00 lbs/acre spring 2018
Home 2	23.60	soybeans 30-36 inch row	fall chisel, no disk	dairy semi- solid 23.60 acres applied 7.00 tons/acre fall 2018, dairy semi- solid 23.60 acres applied 8.00 tons/acre winter 2018, mesz 23.60 acres applied 45.00 lbs/acre spring 2018, potassium chloride 23.60 acres applied 105.00 lbs/acre spring 2018

Showing 1 to 2 of 2 entries (filtered from 13 total entries)
PreviousNext





- To merge every other contour strip into a single field - Merge the fields in the database using **Tools > Merge fields** and select fields to merge. The merge will now merge the geometry too. Once you merge on the desktop, then upload the new field to the map, the fields will be merged.



- To only export shape files for certain fields - Make a group of fields you want to export the shape files for, then upload those fields to the map and export the shape files.



Total Acres: 213.6

Field Count: 13

[What is drained?](#)

Soil Map Symbol (critical)	Soil Series Name (critical)	Soil Map Symbol (pre-dominant)	Soil Series Name (pre-dominant)	Field Slope (%)	Field Slope Length (ft)	Below Field Slope to Water (%)	Distance to Perennial Water (ft)	Re striction Features	<i>D r a i n e d</i>	<i>V e r i f i e d</i>
----------------------------	-----------------------------	--------------------------------	---------------------------------	-----------------	-------------------------	--------------------------------	----------------------------------	-----------------------	--	--

Farm Soil Tests SnapMaps Fields Nutrients Cropping Records Reports

Fields Subfarms Groups

[Right-click on column headers for single or multi-cell editing of selected cells.](#)



Spreadable Acres

Field Problems

Total Acres: 213.6

Field Count: 13

[What is drained?](#)

A L L	Field Name	A c t i v e	S u b F a r m	F s a T r a c t #	F s a F i e l d #	S i z e (a c r e s)	C o u n t y	Soil Map Symbol (critical)	Soil Series Name (critical)	Soil Map Symbol (pre-dominant)	Soil Series Name (pre-dominant)	Field Slope (%)	Field Slope Length (ft)	Below Field Slope to Water (%)	Distance to Perennial Water (ft)	Re striction Features	<i>D r a i n e d</i>	<i>V e r i f i e d</i>
	Beef Pasture	<input checked="" type="checkbox"/>	<input type="checkbox"/>			3.00	Winn...	ZtA	ZITTAU	ZtA	ZITTAU	1.5	250	0 - 2	0 - 300	yes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Heifer Pasture	<input checked="" type="checkbox"/>	<input type="checkbox"/>			8.00	Winn...	ZtA	ZITTAU	ZtA	ZITTAU	1.5	250	0 - 2	1001 ...	yes	<input type="checkbox"/>	<input type="checkbox"/>
	Home 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>			26.50	Winn...	ZtA	ZITTAU	ZtA	ZITTAU	1.5	250	0 - 2	0 - 300	yes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Home 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>			23.90	Winn...	ZtA	ZITTAU	ZtA	ZITTAU	1.5	250	0 - 2	0 - 300	yes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Home 3	<input checked="" type="checkbox"/>	<input type="checkbox"/>			3.60	Winn...	ZtA	ZITTAU	ZtA	ZITTAU	1.5	250	0 - 2	301 - ...	yes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Home 4	<input checked="" type="checkbox"/>	<input type="checkbox"/>			22.70	Winn...	Pt	POY	TuB	TUSTIN	1	250	0 - 2	301 - ...	yes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Home 11	<input checked="" type="checkbox"/>	<input type="checkbox"/>			23.50	Winn...	ZtA	ZITTAU	TuB	TUSTIN	1.5	250	0 - 2	1001 ...		<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Home 12	<input checked="" type="checkbox"/>	<input type="checkbox"/>			21.90	Winn...	ZtA	ZITTAU	ZtA	ZITTAU	1.5	250	0 - 2	0 - 300	yes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
▶	Home 13 ...	<input checked="" type="checkbox"/>	<input type="checkbox"/>			17.60	Winn...	ZtA	ZITTAU	NeA	NEBAGO	1.5	250	0 - 2	301 - ...	yes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Home 14	<input checked="" type="checkbox"/>	<input type="checkbox"/>			13.10	Winn...	ZtA	ZITTAU	ZtA	ZITTAU	1.5	250	0 - 2	301 - ...	yes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Home 18 East	<input checked="" type="checkbox"/>	<input type="checkbox"/>			23.60	Winn...	ZtA	ZITTAU	Pt	POY	1.5	250	0 - 2	301 - ...	yes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	Home 18 West	<input checked="" type="checkbox"/>	<input type="checkbox"/>			18.70	Winn...	ZtA	ZITTAU	Pt	POY	1.5	250	0 - 2	301 - ...	yes	<input checked="" type="checkbox"/>	<input type="checkbox"/>
	New Shed	<input checked="" type="checkbox"/>	<input type="checkbox"/>			7.50	Winn...	ZtA	ZITTAU	ZtA	ZITTAU	1.5	250	0 - 2	301 - ...	yes	<input checked="" type="checkbox"/>	<input type="checkbox"/>



Spreading Restriction Features for Field Home 2

Note: If any part of the field has an N restricted soil or is in a SWQMA, then it should be marked as such below.

Field soils

Dominant critical: ZtA

Predominant: ZtA

Fall N Restrictions

N restricted soil other than selected soils:

Code:

[N Restriction definitions](#)

☐ Less than 5 ft to bedrock

Field Restrictions

☒ Field in 590 SWQMA

☐ Drinking water well or conduit to groundwater 50 ft

☐ Public well within 100 ft

☐ Local prohibitions for winter applications

☐ Municipal well within 1000 ft

☐ Slope restriction for winter applications

☐ Irrigation well within 8 ft

☐ Concentrated flow channel

☐ Tile lines present in field

☐ February/March prohibition on liquid manure

Winter - Conduits to groundwater within 300 ft of field

☐ Sinkholes

☐ Any well within 300 ft

☐ Fractured bedrock at surface

☐ Non-metallic mine (a gravel or sand mine for example)

☐ Other direct conduit to groundwater

Easy Group Builder

Farm

Soil Tests

SnapMaps

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Nutrients

Cropping

Daily Log

Reports

Fields

Subfarms

Groups

Select Group

+

-

Easy Group Builder

Choose your criteria:

+...☐

Field Information

+...☐

Field Spreadable Acres

+...☐

Field Restrictions

+...☐

Groups

+...☐

Fertilizer Applications

+...☐

Manure Applications

-...☒

Crop Management

☒

Crop Name

☒

Crop Year

☐

Yield Goal

☐

Tillage

☐

Irrigated

Nutrients Tab

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⏮

⏪

⏩

⏭

Open Nutrient Systems Editor

Copy Sources/Fertilizers/Herds

Edit Shared Fertilizers

Nutrient sources
Manure production estimator
Animal units calculator
Grazing herd setup
Manure Analysis

Manure/Bio Source Data

+

-

✎

N, P2O5, K2O & S values are for first year available nutrients in
lbs/unit solid or lbs/1000 gallons

	Source Name	Nutrient Type	N surface	N incorp	N inject	P2O5	K2O	S	Dry matter %	Analysis Date	Known Annual Volume	Volume Units	Unit Value (Incorp)	Total Value (incorp)
▶	Beef Grazing ...	Beef, grazing	4	0	0	3	7	0	12		0	Tons	\$0.00	\$0
	Dairy Semi- Solid	Dairy, semi-solid	2	2	3	3	5	0.4	15		1,711	Tons	\$0.00	\$0

Value of nutrients in: 2018
based on commercial fertilizer costs.

N

0

\$/lb

P2O5

0

\$/lb

K2O

0

\$/lb

Sulfur

0

\$/lb

The unit value is \$/ton or \$/1000 gals

Total: \$0

Dry fertilizer sources

+

-

✎

\$\$

	Fertilizer name	% N	% P2O5	% K2O	% S	% Mg	% Ca	Cost \$ per ton	NO ₃ Inh.	SR
▶	Ammonium sulfate (AMS)	21	0	0	24	0	0	\$0	<input type="checkbox"/>	<input type="checkbox"/>
	Aspire	0	0	58	0	0	0	\$0	<input type="checkbox"/>	<input type="checkbox"/>
	Mesz	12	40	10	10	0	0	\$0	<input type="checkbox"/>	<input type="checkbox"/>
	Potassium chloride	0	0	62	0	0	0	\$0	<input type="checkbox"/>	<input type="checkbox"/>
	Urea	46	0	0	0	0	0	\$0	<input type="checkbox"/>	<input type="checkbox"/>

Liquid fertilizer sources

+

-

✎

\$\$

	Fertilizer name	% N	% P2O5	% K2O	% S	% Mg	% Ca	Density lbs/gal	NO ₃ Inh.	Cost \$ per ton
▶	32% UAN (Liquid 32-...	32	0	0	0	0	0	11.1	<input type="checkbox"/>	\$0
	Ammonium thiosulfat...	12	0	0	26	0	0	11.1	<input type="checkbox"/>	\$0

Manure Production

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Open Nutrient Systems Editor
Copy Sources/Fertilizers/Herds
Edit Shared Fertilizers

Nutrient sources
Manure production estimator
Animal units calculator
Grazing herd setup
Manure Analysis

NOTE: Animal categories are from [590 Technical Note, WI-1](#)

Livestock Manure Production Estimator

Add
Remove
Add All Dairy
Add All Beef
Copy Manure Production

	Animal Type and Size	Subfarm	Barn name	Present In Winter	No. of head	Solid (lb/day)	Liquid (gal/day X dilution factor)	Total No. of days	% collected and spread as solid	% collected and spread as liquid	Collected Tons/yr	Collected Gallons/yr
▶	Beef Cow 1000 lbs			<input checked="" type="checkbox"/>	12	63	7.50x3.2=24	365	50	0	69	0
	Beef High Energy 1100 lbs			<input checked="" type="checkbox"/>	11	80	9.50x3.2=30.5	365	100	0	161	0
	Beef High Energy 750 lbs			<input checked="" type="checkbox"/>	33	54	6.50x3.2=20.8	365	100	0	325	0
	Beef High Forage 750 lbs			<input checked="" type="checkbox"/>	10	62	7.50x3.2=24	365	100	0	113	0
	Dairy Calf 150 lbs			<input checked="" type="checkbox"/>	10	13	1.53x1.8=2.8	365	50	0	12	0
	Dairy Calf 250 lbs			<input checked="" type="checkbox"/>	20	21	2.47x1.8=4.5	365	50	0	38	0
	Dairy Heifer 1000 lbs			<input checked="" type="checkbox"/>	8	82	10.00x1.8=18	365	50	0	60	0
	Dairy Lactating Cows 1400 lbs			<input checked="" type="checkbox"/>	7	148	17.70x1.8=32	365	75	0	142	0
	Dairy Dry Cows 1400 lbs			<input checked="" type="checkbox"/>	5	115	13.60x1.8=25	365	75	0	79	0

Delete All

Farm Totals:

1,746

0

Tons

Gallons

Manure quantities are more likely to be accurately estimated from storage size.

Add
Remove

Storage Name	Storage Source	Storage Type	Tons or Gallons	Storage Capacity	No. of times emptied per year	Collected Annually (tons or gallons)	Notes

Add
Remove

Spreader Name	Load Size	Tons or Gallons	No. of loads per year	Spread Annually (tons or gallons)	Calibration Date	Calibration Method	Rate (tons/a or gal/a)	Notes
▶ NH Spreader...	5	Tons	365	1,825		<none>	20	

Add Grazing Source

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Animal units calculator
Grazing herd setup
Manure Analysis

Manure/Bio Source Data

+
-

N, P2O5, K2O & S values are for first year available nutrients in
lbs/unit solid or lbs/1000 gallons

	Source Name	Nutrient Type	N surface	N incorp	N inject	P2O5	K2O	S	Dry matter %	Analysis Date	Known Annual Volume	Volume Units	Unit Value (Incorp)
▶	Dairy Semi- So ...	Dairy, semi-solid	2	2	3	3	5	0.4	15		1,711	Tons	\$0.00

Dry fertilizer sources

+
-

\$


	Fertilizer name	% N	% P2O5	% K2O	% S	% Mg	% Ca	Cost \$ per ton	NO ₃ Inh.	SR
--	-----------------	-----	--------	-------	-----	------	------	-----------------	----------------------	----


Add Manure Source
?
X

Select Manure Source Name
Beef Grazing

Select Manure Source Type
Beef, grazing
Beef, grazing
Beef, liquid
Beef, solid
Biosolid, liquid
Biosolid, solid
Chicken, grazing
Chicken, solid
Compost
Dairy, grazing
Dairy, liquid
Dairy, semi-solid (daily haul)
Dairy, slurry

Save


 **Add herd**

 **Delete herd**

Grazing/gleaning herd Beef Grazers ▾

Animal group Beef



 **Grazing Est**

	Animal Type		Number of Animals	Daily Manure Production (lbs/animal)	Total Daily Manure Production (lbs/day)	AU
	1,000 lbs Beef Cow	▾	17	63	1,071	17
	750 lbs Beef High Forage	▾	10	62	620	10
	750 lbs Beef High Energy	▾	33	54	1,782	33
▶	1,100 lbs Beef High Energy	▾	20	80	1,600	20
	450 lbs Beef Calf	▾	15	26	390	15

Total daily production (all animals)

2.73

95

tons/day

Total AU

Add Application

SnapPlus Alpha 18.0 built on 2018-08-16 12:49 - Woodland Farms

File Import/Export Tools View Help

Subfarm: Show all fields. * Field: Beef Pasture Farm name: WoodlandExportFields_2018-08-16 15.34.snapDb
Group: Show all fields. Location: C:\SnapPlus2Alpha\Export

Farm Soil Tests SnapMaps Fields Nutrients Cropping Records Reports

Fast Facts

Year	Soil Test	pH	OM	P	K	County	Acres	Pred. Soil	Symbol	Group	Texture	Field Rest.
2018	2016-01-13	7.7	8.8	553	701	Winnebago	3.0	Zittau	ZtA	L	Silty Clay ...	yes

Beef Pasture Rotation Wizard Calculate all years Add/Copy/Delete Years Explain

Crop Year (Fall to Fall): 2017 2018 2019 2020

Crop: Pasture, variable stockir Pasture, variable stockir Pasture, variable stockir Pasture, variable stockir

Yield Goal: 3.1-4 3.1-4 3.1-4 3.1-4

Tillage: None None None None

Soil Test Date: 2016-01-13 2016-01-13 2016-01-13 2016-01-13

Lime Rec: 0 0 0 NA

Irrigation / MRTN info: ☐ Irrigated ☐ Irrigated ☐ Irrigated ☐ Irrigated

Season notes:

	N	P2O5	K2O
UW Recommendation:	0	0	0
Prior years' extra:	-	0	0
Adjusted UW recommendation:	0	0	0
1st & 2nd year legume credit:	0	-	-
2nd & 3rd year manure credit:	0	-	-
This year's manure:	0	0	0
This year's fertilizer:	0	0	0
Total credits & applications:	0	0	0
Over(+)/Under(-) adj UW rec:	0	0	0
Annual Total Pl:	NA	NA	NA
Particulate Pl:	NA	NA	NA
Soluble Pl:	NA	NA	NA

Dominant critical soil details:
Name: Zittau
Symbol: ZtA Slope: 1.5
Texture: Silty Clay Loam

Rotation Settings
Start 2018 Years 3
Contouring: ☒ None ☐ On contour ☐ Strip crop
Filter Area: ☒ None ☐ Designed, field edge ☐ Designed, in field

Summary 2018 to 2020
Avg soil loss 0.0 t/ac/yr
Field "T" 3 t/ac/yr
Avg P Index 4 SCI 2.5
P2O5 K2O
Removal 135 540 lb/ac
Balance -90 -435 lb/ac
Soil test P is greater than 100 ppm so P2O5 balance should be less than -34 lb/acre.

Graze Rate

Subfarm: Show all fields. *
Field: Beef Pasture
Farm name: WoodlandExportFields_2018-08-16 15.34.snapDb
Group: Show all fields.

Farm
Soil Tests
SnapMaps
Fields
Nutrients
Cropping
Records
Reports

Nutrient Application Planner

Farm nutrient source availability*

Source name	Nutrient type	Units	N
Beef Grazing	Beef, grazing	Tons	4
Dairy Semi- Solid	Dairy, semi-solid	Tons	2

*Values are for first year available nutrients in lbs/ton or lbs/1000 gallons

Field: Beef Pasture
Soil: ZtA, ZITTAU
Acres: 3
Soil Test P: 553 K: 701
Crop: Pasture, variable stocking, managed continuous, q

Apply Nutrient System
Field Restrictions

Manure / Biosolid Applications

Source name	Season	Spread method	Area	Acres applied	Rate	Units	NO ₃ Inh.	Actual
Beef Gra...	Grazi...	Grazing	Spreadable	3	5	ton...	<input type="checkbox"/>	<input type="checkbox"/>

Grazing Estimator

Grazing application rate estimator

Grazing Season: Grazing

Use herd information to fill daily manure production

Crop year: 2018

Herd name: Beef Grazers

Total daily herd manure production: 2.73 tons/day

Field/Pasture size: 3.0 acres

Days on pasture: 5 days

Percent of each day spent grazing: 100 %

Estimated application rate: 4.6 tons/acre

Average animal units per acre over grazing season: 0.6

Nutrient Application System

Field: Heifer Pasture

Soil: ZtA, ZITTAU

Acres: 8

Apply Nutrient System

Manure / Biosolid Appl

Select a System to Apply

Select the nutrient system you'd like to apply

Graze

Open Nutrient Systems Editor

OK Cancel

Source name	Season	Spread method	Area	Acres applied	Rate	Units	NO ₃ Inh.	Actual
Beef Grazing	Gr...	Grazing	Sp...	9.5	5	ton...	<input type="checkbox"/>	<input type="checkbox"/>
Beef Grazing	Wi...	Grazing	Sp...	9.5	5	ton...	<input type="checkbox"/>	<input type="checkbox"/>

Rotation Wizard 1st button

Rotation Editor

Rotation name
cg-cs-cg-abs-ab-ab-ab

Rotation years

Year	Crop	Yield goal	Tillage	Irrigated
1	Corn grain	151-170	No Till	
2	Corn silage	10-15	Fall Chisel, no disk	
3	Corn grain	151-170	Fall Chisel, no disk	
4	Alfalfa/Brome Seedling	2.6-3.5	Fall Chisel, no disk	
5	Alfalfa/Brome	4.6-5.5	None	
6	Alfalfa/Brome	4.6-5.5	None	
7	Alfalfa/Brome	4.6-5.5	None	

1st rotation year nutrient applications for: Corn grain

Nutrient class	Source name	Season	Spread method	Rate	Units
Grazing	Graze	Grazing	Grazing	10	tons/acre



Field: Home 12 ⏮ ⏪ ⏩ ⏭

Soil: ZtA, ZITTAU Soil Test P: 12 K: 128
 Acres: 21.5 Crop: Corn grain Prev: Soybeans 30-36 inch row

Apply Nutrient System **Field Restrictions**

Manure / Biosolid Applications + - Winter Strategies

Source name	Season	Spread method	Area	Acres applied	Rate	Ur
Dairy Semi-...	Sp...	Uninc...	Sprea	21.5	15	...

Spreadable
 Winter manure prohibited

Area	Acres applied	Rate
Entire	21.5	150
Entire field		
Manure prohibited		
Winter manure prohibited		

If your field has areas where manure is prohibited in the winter, like within 300' of wells or streams, then Spreadable Area located in the Nutrient Application Planner can help you apply to the allowable parts of the field in the winter. It also allows you to apply manure or fertilizer to the winter restricted area in other seasons.

Cropping Screen - Winter Spreading

Field: H 8 ⏮ ⏪ ⏩ ⏭ Crop Y N

Soil: MdC2, MCHENRY Soil Test P: 280 K: 297
 Acres: 2.51 Crop: Oat-Pea Forage w/ Alfalfa Seeding Spring Prev: Corn grain Field Over(+)/Under(-) Application (lbs/acre) 30

Apply Nutrient System **Field Restrictions** Fall 2017 th

Manure / Biosolid Applications Winter Strategies Grazing Est. + - **Fertilizer Applications**

Source name	Season	Spread method	Area	Acres applied	Rate	Units	NO ₃ Inh.	Time	Actual
7 Ton K...	Fall	Uninc...	Sp...	2.5	10	ton...	<input type="checkbox"/>		<input type="checkbox"/>
7 Ton K...	Winter	Uninc...	Sp...	0.9	10	ton...	<input type="checkbox"/>		<input type="checkbox"/>
7 Ton K...	Spring	Uninc...	Wi...	1.6	10	ton...	<input type="checkbox"/>		<input type="checkbox"/>

Source name	Season	Spread method	Area	Acres applied	Rate	Unit
Potassium ...	Sp...	Unincor...	En...	2.5	300	lbs/

See guidance message.
 Winter Manure Spreading too few practices selected; two must be implemented from the Winter Strategies list.

2015 590 - Winter manure spreading practices.

Please explain

Practices for fields with slope > 6%. The slope of this field is 9%.
 If there are any winter manure applications on this field, at least two of the practices must be followed.

☐ a. Contour buffer strips or contour strip cropping.

☐ b. Leave all crop residue (this prohibits removal of silage or bedding) and no fall tillage.

☐ c. Apply in intermittent strips on no more than 50% of the field.

☒ d. Apply on no more than 25% of the field during each application waiting a minimum of 14 days between applications.

☒ e. Reduce application rate to 3,500 gallons or 30 pounds of P2O5, whichever is less.

Apply

SnapPlus will select winter spreading strategies if it can be determined from the information already provided in the database or you can select two options for the winter application. The NM6 Winter Spreading Plan will show the practices for the field.

Run NM Plan Reports, NM2

- Nutrient Management Plan
 - ... NM1 Narrative and Crops
 - NM2 Compliance Check**
 - ... NM3 Field Data and 590 Assessme
 - ... NM4 Manure Tracking
 - ... NM5 Spreading and NM Sorted By
 - ... NM6 Winter Spreading Plan
 - ... NM7 Implementation Guidance
 - + CAFO
- Farm Management
 - ... FM1 Annual Manure Production
 - ... FM2 Applications Summary
 - ... FM3 Producers Plan
 - ... FM4 Crop Production Trends
 - ... FM5 Lime Report
 - ... FM6 Soil Test Summary
 - ... FM7 Soil Test - Sample Log
 - ... FM8 \$Spreading Plan
 - ... FM9 Nutrient Management Plan
 - ... FM10 Annual PI
- + Soil Loss
- + Water Quality
- Data Dump
 - ... DD1 Annual Cropping Data
 - ... DD2 Applications Data
 - ... DD3 Precision Recommendations

Woodland Farms

SnapPlus Application Restriction Compliance Check

08/20/2018

Field Name	Year	Problem	Explanation
Home 3	2020	P205 applied as starter to corn should be applied at planting and placed subsurface with, or in a band in close proximity to, the seed.	
Home 4	2020	P205 applied as starter to corn should be applied at planting and placed subsurface with, or in a band in close proximity to, the seed.	well setbacks followed.


Excess N Problems

Home 1	2017	Home 2	2017
--------	------	--------	------

Go back to
Cropping Tab to fix
flags

Check Out Orange Flags

SnapPlus Alpha 18.0 built on 2018-08-16 12:49 - Woodland Farms

File Import/Export Tools View Help  Save Snapshot ?

Subfarm: Show all fields. * Field: Home 3 Farm name: WoodlandExportFields_2018-08-16 15.34.snapDb
Group: Show all fields. Location: C:\SnapPlus2Alpha\Export

Farm Soil Tests SnapMaps Fields Nutrients Cropping Records Reports

Fast Facts

Year	Soil Test	pH	OM	P	K	County	Acres	Pred. Soil	Symbol	Group	Texture	Field Rest.
2020	2017-10-25	7.2	4.8	89	213	Winnebago	3.6	Zittau	ZtA	L	Silty Clay ...	yes

Home 3 Rotation Wizard Calculate all years Add/Copy/Delete Years Explain

Crop Year (Fall to Fall):

Crop: Alfalfa (grassy, yr 3+) Alfalfa (grassy, yr 3+) Soybeans 30-36 inch row Corn silage

Yield Goal: 5.6-6.5 5.6-6.5 46-55 15.1-20

Tillage: None None Fall Chisel, no disk Fall Chisel, no disk

Soil Test Date: 2013-10-03 2017-10-25 2017-10-25 2017-10-25

Lime Rec: 0 0 0 0

Irrigation / MRTN info: ☐ Irrigated ☐ Irrigated ☐ Irrigated ☐ Irrigated 0.05/MRTN

Season notes:

(lbs/acre)

	N	P2O5	K2O	N	P2O5	K2O	N	P2O5	K2O	N	P2O5	K2O
UW Recommendation:	0	0	180	0	0	90	0	0	20	140	0	35
Prior years' extra:	-	0	3	-	0	0	-	15	51	-	15	31
Adjusted UW recommendation:	0	0	177	0	0	90	0	0	0	140	0	0
1st & 2nd year legume credit:	0	-	-	0	-	-	90	-	-	0	-	-
2nd & 3rd year manure credit:	0	-	-	0	-	-	0	-	-	0	-	-
This year's manure:	0	0	0	10	15	25	0	0	0	0	0	0
This year's fertilizer:	11	0	116	11	0	116	0	0	0	156	20	66
Total credits & applications:	11	0	116	21	15	141	90	0	0	156	20	66
Over(+)/Under(-) adj UW rec:	11	0	-61	21	15	51	90	0	0	16	20	62

Dominant critical soil details:
Name: Zittau
Symbol: ZtA Slope: 1.5
Texture: Silty Clay Loam

Rotation Settings
Start 2016 Years 5
Contouring ☒ None ☐ On contour ☐ Strip crop
Filter Area ☒ None ☐ Designed, field edge ☐ Designed, in field

Summary 2016 to 2020
Avg soil loss 0.6 t/ac/yr
Field "T" 3 t/ac/yr
Avg P Index 2 SCI 0.8
P2O5 K2O
Removal 345 1K lb/ac
Balance -310 -789 lb/ac

Corn Starter Subsurface flag

Crop Year: 2020 ▾

N P2O5 K2O

16 20 62

Field Over(+)/Under(-) Application (lbs/acre)

Fall 2019 thru Summer 2020

Fertilizer Applications + - 🔍

	Source name	Season	Spread method	<u>Area</u>	<i>Acres applied</i>	Rate	Units	Time	Actual
	32% UAN (... ▾)	Su... ▾	SubSurf... ▾	En... ▾	3.6	20	gals... ▾	▾	<input type="checkbox"/>
	Ammonium... ▾	Sp... ▾	Unincor... ▾	En... ▾	3.6	50	lbs/... ▾	▾	<input type="checkbox"/>
	Mesz ▾	Sp... ▾	Unincorpora... ▾	En... ▾	3.6	50	lbs/... ▾	▾	<input type="checkbox"/>
	Potassium ... ▾	Sp... ▾	Unincorporated	▾	3.6	100	lbs/... ▾	▾	<input type="checkbox"/>
	Urea ▾	Sp... ▾	Incorporated	▾	3.6	150	lbs/... ▾	▾	<input type="checkbox"/>
			SubSurface						

P2O5 applied as starter to corn should be applied at planting and placed subsurface with, or in a band in close proximity to, the seed..

Year	Soil Test	pH	OM	P	K	County	Acres	Pred. Soil	Symbol	Group	Texture	Field Rest.
2019	2016-05-30	6.5	2.2	14	83	Columbia	16.0	Lapeer	LaD2	L	Sandy Loam	yes



Explain

13

Rotation Wizard

Calculate all years



Add/Delete Years



[>]

ar (Fall to Fall):

Crop:

Yield Goal:

Tillage:

Soil Test Date:

Lime Rec:

on / MRTN info:

Season notes:

(lbs/acre)

ommendation:

or years' extra:

ommendation:

legume credit:

manure credit:

year's manure:

year's fertilizer:

& applications:

(-) adj UW rec:

nnual Total Pl:

Particulate Pl:

Soluble Pl:

2015	2016	2017	2018	2019	2020
Croplage to Sorghum-Soi	Corn silage	Soybeans 15-20 inch ro	Corn grain	Soybeans 15-20 inch ro	Corn grain
2.0-3.5/5-7	15.1-20	56-65	171-190	56-65	171-190
No Till	Fall Chisel, disked	Fall Chisel, disked	Fall Chisel, disked	Fall Chisel, disked	Spring Cultivation
2013-10-30	2016-05-30	2016-05-30	2016-05-30	2016-05-30	2016-05-30
NOT MET	NOT MET	NOT MET	NOT MET	NOT MET	NA
<input type="checkbox"/> Irrigated	<input type="checkbox"/> Irrigated 0.05/MRTN	<input type="checkbox"/> Irrigated	<input type="checkbox"/> Irrigated 0.05/MRTN	<input type="checkbox"/> Irrigated	<input type="checkbox"/> Irrigated 0.05/MRTN
N P2O5 K2O	N P2O5 K2O	N P2O5 K2O	N P2O5 K2O	N P2O5 K2O	N P2O5 K2O
90 180 570	140 95 200	0 80 130	140 100 95	0 80 130	140 100 95
- 0 0	- 0 0	- 0 0	- 12 53	- 0 0	- 0 0
90 180 570	140 95 200	0 80 130	140 88 42	0 80 130	140 100 95
90 - -	0 - -	0 - -	0 - -	0 - -	0 - -
10 - -	5 0 0	25 0 0	0 0 0	0 0 0	0 - -
15 15 30	100 60 170	0 0 0	0 0 0	0 0 0	0 0 0
0 0 0	0 0 0	36 92 183	0 0 0	0 0 0	0 0 0
115 15 30	105 60 170	61 92 183	0 0 0	0 0 0	0 0 0
25 -165 -540	-35 -35 -30	61 12 53	-140 -88 -42	0 -80 -130	-140 -100 -95
1	8	12	10	4	5
0.6	7.9	12.3	10.1	3.5	5.4
0.2	0.2	0.2	0.1	0.1	0.1

Dominant critical soil details:

Name: Lapeer
Symbol: LaD2 Slope: 16.0
Texture: Sandy Loam

Rotation Settings

Start 2013 Years 8

Contouring

☒ None

☐ On contour

☐ Strip crop

Filter Area

☒ None

☐ Designed, field edge

☐ Designed, in field

Summary 2013 to 2020

Avg soil loss 8.0 t/ac/yr

Field "T" 5 t/ac/yr

Avg P Index 5 SCI 0.0

P2O5 K2O

Removal 555 1K lb/ac

Balance -358 -1,052 lb/ac

Soil test P is 50 or less so no P2O5 balance target is needed.

Year	Soil Test	pH	OM	P	K	County	Acres	Pred. Soil	Symbol	Group	Texture	Field Rest.
2019	2016-05-30	6.5	2.2	14	83	Columbia	16.0	Lapeer	LaD2	L	Sandy Loam	yes



13

Rotation Wizard

Calculate all years



Add/Delete Years



Explain

[>]

(Fall to Fall):

Crop:

Yield Goal:

Tillage:

Soil Test Date:

Lime Rec:

/ MRTN info:

Season notes:

(lbs/acre)

mmendation:

y years' extra:

mmendation:

egume credit:

anure credit:

ear's manure:

ar's fertilizer:

pplications:

) adj UW rec:

annual Total P:

articulate P:

Soluble P:

	2015	2016	2017	2018	2019	2020
Crop:	Matlage to Sorghum-So	Corn silage	Soybeans 15-20 inch ro	Corn grain	Corn grain	Corn grain
Yield Goal:	0-3.5/5-7	15.1-20	56-65	171-190	171-190	171-190
Tillage:	No Till	Spring Cultivation	Spring Cultivation	No Till	No Till	No Till
Soil Test Date:	013-10-30	2016-05-30	2016-05-30	2016-05-30	2016-05-30	2016-05-30
Lime Rec:	NOT MET	NOT MET	NOT MET	NOT MET	NOT MET	NA
/ MRTN info:	Irrigated	Irrigated 0.05/MRTN	Irrigated	Irrigated 0.05/MRTN	Irrigated 0.05/MRTN	Irrigated 0.05/MRTN
Season notes:						
(lbs/acre)						
mmendation:						
y years' extra:						
mmendation:						
egume credit:						
anure credit:						
ear's manure:						
ar's fertilizer:						
pplications:						
) adj UW rec:						
annual Total P:						
articulate P:						
Soluble P:						

Dominant critical soil details:

Name: Lapeer
Symbol: LaD2 Slope: 16.0
Texture: Sandy Loam

Rotation Settings

Start 2013 Years 8

Contouring: ☒ None ☐ On contour ☐ Strip crop



Filter Area: ☒ None ☐ Designed, field edge ☐ Designed, in field


Summary 2013 to 2020

Avg soil loss	3.7	t/ac/yr
Field "T"	5	t/ac/yr
Avg P Index	3	SCI 0.6
	P205	K2O
Removal	575	1K lb/ac
Balance	-378	-1,017 lb/ac


Soil test P is 50 or less so no P205 balance target is needed.

Manure then Fertilizer


File Import/Export Tools View Help   Save Snapshot


 Farm name: WoodlandExportFields_2018-08-16 15.34.snapDb
Location: C:\SnapPlus2\Alpha\Export


Nutrient Applications by Season ? X

Start crop year: 2019 No. of years: 1  'Refresh' after changing any applications.

Crop Year	Nutrient Type	Source Name	Fall	Winter	Spring	Summer	Grazing	Available	Applications	Remaining
2019	Manure	Dairy Semi- Solid	970	440	441	0	0	1,711	1,851	-140
2019	Grazing	Beef Grazing	0	0	0	0	15	0	15	-15

 Subfarm: Show all fields. * Field: Home 2 Farm name: WoodlandExportFields_2018-08-16 15.34.snapDb
Group: Show all fields. Location: C:\SnapPlus2\Alpha\Export

Far  Soil Tests SnapMaps Fields Nutrients Cropping Records Reports

Crop Year: 2019 

Selected row acres: 23.9 UW Recs Over / Under

	Field Name	Soil Symbol	Acres	Prev. Crop	Prev. Tillage	Prev. Yield Goal	Crop	Tillage	Yield Goal	Soil Test	Irrigated	MRTN	Lime Rec	Legume Credit	N	P2O5	K2O	N	P2O5	K2O
▶	Home 2	ZtA	23.9	Soyb...	Fall ...	46-55	Corn sil...	Fall Chi...	15.1-20	2015-10...	<input type="checkbox"/>	0.05/...	0	0	140	105	145	1	-55	67
	Home 14	ZtA	13.1	Corn ...	Fall ...	131-1...	Soybea...	Fall Chi...	46-55	2017-10...	<input type="checkbox"/>		0	0	0	70	70	6	-50	24
	Home 18 West	Pt	18.7	Corn ...	Fall ...	131-1...	Soybea...	Spring C...	46-55	2017-10...	<input type="checkbox"/>		0	0	0	80	100	26	-30	104
	Home 1	ZtA	26.5	Wint...	Field ...	81-100	Corn grain	Fall Chi...	151-1...	2015-10...	<input type="checkbox"/>	0.05/...	0	0	140	100	75	21	-20	92
	Heifer Pasture	ZtA	8.0	Past...	None	2-3	Pasture,...	None	2-3	2016-01...	<input type="checkbox"/>		0	0	0	0	0	0	0	0
	Home 3	ZtA	3.6	Alfalf...	None	5.6-6.5	Soybea...	Fall Chi...	46-55	2017-10...	<input type="checkbox"/>		0	90	0	0	20	90	0	0
	Home 4	TuB	22.7	Corn ...	Fall ...	15.1-20	Soybea...	Fall Chi...	46-55	2015-10...	<input type="checkbox"/>		0	0	0	0	70	0	0	23
	Home 13	NeA	17.6	Corn ...	Fall ...	131-1...	Oat-Pea...	Spring C...	2.0-3.5	2015-10...	<input type="checkbox"/>		0	0	10	60	150	22	10	137

Rotation Wizard 2nd button

Crop Year: 2019

Changing data for fields in: Woodland Farms

Step 2 Select the fields you'd like to change cropping data for...

Change which type of data

☐ Cropping data

☒ Application

Start changes with year 2019

Make changes through year 2019

Subfarm: Show all fields.

Group: Show all fields.

Refresh Fields

Choose which fields to include in this operation...

Unselected 11

Search...

Selected 2

Home 14

Home 2

UW		Recs		Over / Under		
	P205	K20	N	P205	K20	N
0	105	145	1	-55	67	
	70	70	6	-50	24	
	80	100	26	-30	104	
0	100	75	21	-20	92	
	0	0	0	0	0	
	0	20	90	0	0	
	0	70	0	0	23	
	60	150	22	10	137	
	0	0	20	15	35	
	0	115	110	29	27	
5	30	130	7	30	67	
	60	120	28	30	158	
	0	30	25	30	50	

Changing data for fields in: Woodland Farms

Step 3 Change application data where ...

Crop is

Any

and prior crop is

Any

and two year prior crop is

Any



-- Check for this crop sequence in the fields and years selected --

The selected years are 2019 to 2019.

Change application data to ...

Existing applications

☒ Add to existing apps

☐ Delete existing apps first

☐ Edit existing apps spread method/rate

Apply Nutrient System



	Source class	Source name	Season	Spread method	Rate	Acres
	Fertilizer	Mesz	Fall	Unincorporated	100	Entire field

Crop Year:

N P205

Field Over(+)/Under(-) Application (lbs/acre)

18 -10

Fall 2018 thru Sum

Fertilizer Applications



Source name	Season	Spread method	Area	Acres applied	Rate	Units	Time
Mesz	Sp...	Unincor...	En...	12.8	50	lbs/...	
Potassium ...	Sp...	Unincor...	En...	12.8	100	lbs/...	
Mesz	Fall	Unincor...	En...	12.8	100	lbs/...	

Add Lime

Farm | Soil Tests | SnapMaps | Fields | Nutrients | Cropping | Daily Log | Reports

Crop Year: 2017
 ⏮
⏪
⏩
⏭

Selected row acres: 8.1

Field Name	Soil Symbol	Crop	Yield Goal	Tillage	Soil Test	Irrigated	MRTN	Lime Rec	Legume Credit	N
08	BpB									
09	BpB									
10	BpC2									
11	OmC2									
12	BpB									
13	OmC2									

Lime Recommendations

Lime Recommendations
 Soil Test Date 2016-05-30

NI Range	Lime Rec Tons/acre
20-29	15.6
30-39	11.1
40-49	8.7
50-59	7.1
60-69	6.0
70-79	5.2
80-89	4.6
90-99	4.1
100+	3.7

Average pH 6.4 Target pH 6.8

Field: 08
 Lime Applications - (2017 to 2019)

Delete All

Lime Source Name	Crop Year	Season	NI	Rate (tons/acre)	Total tons @ 65 NI
80/89	2017	Spring	80-89	5	6.54

Lime Rec Status: **NOT MET** Tons applied @65 NI: 5

WI Agricultural Water Quality Performance Standards

NR151 & ATPC 50 Wis. Admin. Codes

NR 151 Performance Standards

- Meet **T** for fields and pastures
- Follow 590 NM plan
- Follow a 5' to 20' tillage setback from water
- Prevent direct runoff: feedlots, feed, waste water, or manure storage to waters
- Limit livestock access waters to maintain banks
- Follow manure storage technical stds. when constructing/ abandoning. Maintain to prevent leaking or overflow.

Near surface water or areas susceptible to groundwater contamination

- Do not stack manure in an unconfined pile
- Divert clean water away from barnyards, feedlots, and manure storage

ATPC 50 conservation practices

Describes how farms need NM plan when offered cost share \$ or without cost share if:

1. Participating in the **Farmland Preservation**
2. Regulated by **DNR WPDES** permit or **local ordinance** manure storage or livestock siting
3. Accepting manure storage cost share
4. Causing a significant **discharge**

Exceeding state standards ATPC 50.04 is only allowed if approved by either DATCP or DNR. A local governmental unit is responsible for analyzing the legal adequacy of its regulations.

NR 151.075 and NR 243.143 Runoff Management Targeted Performance Standard ver.8/6/2018

Requires the following: No fecal contamination of wells; a NM plan to meet ATCP 50.04(3); and Silurian bedrock map information within or adjacent to cropland. NR 151.075(2), (4)(a)(b)(c)(d), (5)

<2' to Silurian bedrock or apparent water table **All mechanical applications are prohibited.** NR 151.015(18)(e), 151.075(9), (3)

<5' to bedrock
No mechanical Winter application when soils are frozen or snow covered and no headland stacking. 590 prohibits liquid manure in Feb. and March 151.075(7)

Prohibited mechanical applications
Prohibited mechanical applications:
1. Until fields are ranked for risk of pathogen delivery to groundwater. 151.075(6)
2. When rainfall >1" forecast within 24 hours. 151.075(8)

2'-20' to bedrock
Prohibited mechanical applications
Prohibited mechanical applications setbacks: 151.075(16)
1000' setback from community well. NR 151.015(18)(b), 151.075(13)(a)
300' up, 100' down slope from direct conduits to groundwater (DCTGW) NR 151.015(18)(c), (13)(c)
250' setback from other drinking wells. NR 151.015(18)(a), 151.075(13)(b)
100' setback from concentrated flow channel leading to DCTGW. (13)(d)

Restricted application for solid and liquid mechanical applications
Fields with ≥6% slope and concentrated flow channels to closed depression use one: 151.075(15)
1. Incorporation mechanical application within 24 hours. 151.015(8d)
2. The field has 3 or more years of no tillage. 151.015(11m)

100' setback from closed depression use one: 151.075(14)
1. Applied at least 24 hours prior to precipitation capable of producing runoff.
2. Incorporation/injection within 24 hours. 151.015(8p)
3. The field has 3 or more years of no tillage.

Depth to bedrock Corn needs 130-190 lbs. N/acre depending on soil type and crop rotation	Solid manure conditions $\geq 12\%$ DM for CAFOs $> 11\%$ for 590 NM plans 2 lbs. N, 3 lbs. P2O5/ Dairy Ton *15T/A/Y= 30 lbs. N and 45 lbs. P2O5/A/Y	Liquid manure conditions $<12\%$ DM for CAFOs $\leq 11\%$ for 590 NM plans 12 lbs. N, 6 lbs. P2O5/ 1,000 Dairy Gals.*13,500 Gals./A/Y= 162 lbs. N and 81 lbs. P2O5/A/Y
2-3' 151.075(10)	Incorporate* within 72 hours to $\leq 4"$ (10)(a)1. and; at least one of the following: (10)(a)2. a. Rate is lesser of A2809 or 15 T/Ac/Y 81 T/ac =162 lbs. N/ac, 40.5T /ac = 81 lbs. N/ac b. A2809 within 10 days of planting or on est. crop c. Pathogens $\leq 500,000$ CFU	Pre-tillage if the field meets T* and; (10)(b)1. Incorporate/inject* to $\leq 4"$ within 24 hrs. (10)(b) 2. and; At least one of the following: (10)(b)3. a. Rate is lesser of A2809 or Table 1. Rates NR 214 13.5K g/a loam=162 lbs. N/ac, 6.75K g/a other=81 lbs. N/ac b. A2809 within 10 days of planting or on est. crop c. Pathogens $\leq 500,000$ CFU
3-5' 151.075(11)	Same as above a, b, c except $\leq 6"$ till depth (11)(a)1.	Pre-tillage if the field meets T* and; (11)(b)1. Incorporate/inject* $\leq 6"$ within 24 hours (b)2. and; Same as above a, b, c.
5-20' 151.075(12)	Follow NRCS WI 2015-590 Standard and 151.075(16) above, no incorporation requirement.	Same as above except Table 1. Rates (12)(a)1. 27 K g/a loam=324 lbs. N/ac, 13.5K g/a other=162 lbs. N/ac
* <u>Exemption</u> - Pre-tillage to at least 2" below manure application is not required if fields can't meet T when implementing tillage, crops, contouring, filter strips, or cover crops. Pre-tillage, incorporation, or injection is not required if 3 or more years of no tillage, 151.075(10)(c)(d), (11)(c)(d), (12)(b)(c). Mechanical liquid manure applications are limited to $\leq 6,750$ Gal./Ac/application where bedrock is within 2-5' 151.075(10)(c), (11)(c), and 10,000 Gal./Ac/application where bedrock is within 5-20', 151.075(12)(b).		

Technical Standard available for cost share: [50.62](#) Manure storage systems. [50.69](#) Critical area stabilization. [50.70](#) Diversions. [50.75](#) Livestock fencing. [50.76](#) Livestock watering facilities. [50.78](#) Nutrient management. [50.80](#) Prescribed grazing. [50.81](#) Relocating or abandoning animal feeding operations. [50.82](#) Residue management. [50.83](#) Riparian buffers. [50.87](#) Sinkhole treatment. [50.89](#) Strip cropping. [50.96](#) Waterway system.

Questions for the participants:

- Given the corn price is around \$3.00/bushel and nitrogen is around \$0.40/pound, can we change the default **Maximum Return To Nitrogen** to .10. The red flag will not show until the highest N rate of the MRTN range .05 ratio is exceeded. Should we update the MRTN default ratio?

Rotation Wizard | Calculate all years | Add/Copy/Delete Years | Explain

Crop Year (Fall to Fall): 2014 2015 2016 2017 2018

Crop: Alfalfa Alfalfa Corn grain Corn grain Corn grain

Yield Goal: 5.6-6.5 5.6-6.5 191-210 191-210 191-210

Tillage: No Till No Till Fall Chisel, no disk

Soil Test Date: 2016-11-07 2016-11-07

Irrigation / MRTN info: ☐ Irrigated 0.05/MRTN ☐ Irrigated 0.1/MRTN

Season notes: (lbs/acre) K2O

UW Recommendation: 400 0 400

Prior years' extra: 0

Adjusted UW recommendation: 400

1st & 2nd year legume credit: -

2nd & 3rd year manure credit: -

This year's manure: 0

This year's fertilizer: 183

Total credits & applications: 183

Over(+) / Under(-) adj UW rec: -217

Annual Total P: -

Particulate P: -

Soluble P: -

Edit MRTN Information

Crop Year: 2017

Crop: Corn grain

Entering a price for N and corn will calculate a rounded value for price ratio. See Extension Pub A2809(2012) for more details.

N price in \$/lb (optional): 0.40 / Corn price in \$/bushel (optional): 3.25 = Calculated price ratio: 0.12

N lb/acre

UW Recommendation: 190

MRTN Price Ratio: 0.05 * required

MRTN Range Point: 0.10 * required

Buttons: Calc, Accept, Cancel, Show MRTN Table

N	P2O5	K2O
190	0	15
-	86	141
190	0	0
0	-	-
0	0	0
56	84	168
101	23	30
157	107	198
-33	107	198
1		
0.1		
0.9		

- Do you want a column for all the restrictions on a report?
- Do you want a report that tells you which fields have no N fall restrictions, and no SWQMA present?
- Do you want the NM Checklist as a report filling each item when possible?